

NERNST LAMPS

for

**Direct Current
Circuits**

Catalog and Price List No. 6

1907



NERNST LAMPS

FOR
DIRECT CURRENT CIRCUITS

NERNST LAMP COMPANY
PITTSBURG, PA.

SALES OFFICES

| | | | |
|-----------|-------------|--------------|---------------|
| PITTSBURG | NEW YORK | PHILADELPHIA | BALTIMORE |
| BOSTON | COLUMBUS | CHICAGO | NASHVILLE |
| CLEVELAND | DETROIT | ATLANTA | ST. LOUIS |
| SAGINAW | FT. WORTH | DENVER | SAN FRANCISCO |
| OMAHA | CINCINNATI | DAVENPORT | PEORIA |
| SEATTLE | JERSEY CITY | FARGO | DULUTH |

CANADIAN WESTINGHOUSE CO., LIMITED
HAMILTON, ONTARIO, MANUFACTURERS FOR CANADA

Introduction



THE fundamental principle of the Nernst lamp, that the metal oxides of certain rare earths will conduct electricity and give off light after being heated, was discovered by Dr. Nernst, the German scientist.

The original invention is embodied in the light-giving element or "glower" of the lamp, as it is to-day. This glower, composed of a rare earth mixture, is a small rod or pencil of chalk-like material with a terminal wire at each end.

Since the glower requires heating before it will conduct current and give light, it becomes necessary to employ an electric heater, which is mounted above and close to the glowers inside the globe. The latter is not air-tight, as the Nernst lamp does not require a vacuum.

The upper portion of the lamp contains the "ballast," a small regulating resistance in series with the glower, and an automatic "cut-out," to throw the heater out of service after it has lighted the glower.

Owing to its peculiar composition and the high temperature at which it operates, the glower gives off a brilliant white light, at a very high efficiency, so that the Nernst lamp gives about twice the amount of light for the same amount of current that the ordinary carbon filament lamp does.

The D. C. lamp is furnished in three different sizes—one, two and three-glower. The candle power ratings of the Nernst Lamps compare with other illuminants, as follows:

The 88-watt lamp successfully replaces three 16-Candle Power incandescent lamps, or one gas mantle.

The 110-watt lamp successfully replaces five and a half 16-Candle Power incandescent lamps, or 1 $\frac{3}{4}$ gas mantles.

The two-glower lamp successfully replaces seven 16-Candle Power incandescent lamps, or 2 $\frac{1}{2}$ gas mantles.

The three-glower lamp successfully replaces ten 16-Candle Power incandescent lamps, or one 4-Burner Gas Arc.

During the four years that the Nernst lamp has been on the market, its highly successful and economical operation has not only exceeded the expectations of those engaged in its development, but has won for it a prominent place among modern illuminants. After thorough tests, it has been adopted for lighting many of the finest and largest buildings and stores in the country. It is the only system that is available in units of all sizes, a feature that recommends it for installations that would otherwise require a combination of widely different color values as furnished by the arc and the incandescent.

Its near approach to the color quality of sunlight itself recommends it especially for lighting where color value is of prime importance.

In presenting this catalog, we call attention to the new 0.5 amp. 110-watt lamps; the new ceiling bowl lamps, the holophane shades and hemispheres, and the new trimming device, which is used in connection with all multiple glower types of lamps.

This device was adopted, as it materially aids the lamp trimmer in his work. It makes it necessary to equip all balls and shades with bands, with the exception of metal shades used in connection with balls on out-door lamps.

Order Guide

The D. C. Lamps listed in this catalog are made for operation on line voltage ranging from 200 to 240 volts. Lamps operate on any even line voltage from 200 to 240 volts.

As the lamp bodies and the elements in the body are the same for all voltages from 200 to 240, the bodies are only marked with the type voltage and not the actual voltage specified by the customer.

The adjustment for different voltage circuits is all made on the "holder" and only requires the use of different glowers. The holder, therefore, is always marked with the actual circuit voltage specified by the customer.

In ordering, therefore, please give the actual voltage of the circuit, so that holders containing the correct glowers for this voltage may be furnished with the lamps.

In ordering lamps, *it is necessary to give the actual average voltage and the maximum and minimum variations from this voltage.*

Use the code word or catalog number in ordering lamps and renewal parts. These are given in the following price lists.

The standard lamps herein listed consist of the combinations of bodies and glassware most in demand. "Alabaster" glassware, listed with lamps in this catalog, refers to light bluish glassware. Heater cases, unless otherwise specified, are furnished in the 4-inch size for the two and three glower lamps. To order, the single code word opposite the description is sufficient. Other combinations than those listed are treated as special and three code words must be used in combination, one for the body, one for the holder and the other for the glassware.

IMPORTANT

SHIPMENTS—Special care is taken in the packing of goods for shipment, and *we make no allowance for breakage after delivery in good order to carriers*. All claims for breakage must be presented to the transportation companies. Shortage claims will not be entertained unless made within five (5) days after receipt of shipment.

PRICES—*Are subject to change without notice.*

PRICES—*F. O. B. cars, Pittsburg.*

TERMS—*Net Cash, 30 days from date of Invoice.*

INITIAL ORDERS—*For less than \$25.00 must be accompanied by cash.*

ACCEPTANCE—These goods are supplied by the manufacturer and accepted by the purchaser subject to the conditions of the Patent Right Clause contained in the regular forms of Sales Contracts of the Nernst Lamp Co.

SPECIAL—Prices for inverted type of lamps or other special forms will be quoted upon application.

NOTE—Attention is called to the importance of saving all scrap glowers, heater tubes and ballasts, for the return of which a liberal allowance is made. The amount of rebate allowed will be furnished upon request.

Three Glower Nernst Lamps, Indoor Type, 220 Volts D. C., 1.2 Amperes



No. 5309

Length, 16½ ins. Weight, 3½ lbs.

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|---|-------------------|
| Bovendek | 5300 | Standard Indoor with 7-inch sand blasted ball..... | \$18.00 |
| Bovendeken | 5301 | Standard Indoor with 6-inch clear ball..... | 18.00 |
| Boveneinde | 5302 | Standard Indoor with 7-inch alabaster ball..... | 18.00 |
| Bovengevel | 5303 | Standard Indoor with opal bell shade and clear heater case... | 18.00 |
| Bovenhemel | 5304 | Standard Indoor with opal dome shade and clear heater case.. | 18.00 |
| Bovenhut | 5305 | Standard Indoor with opal bell shade and alabaster heater case. | 18.00 |
| Bovenin | 5306 | Standard Indoor with opal dome shade and alabaster heater case | 18.00 |
| Bovenkamer | 5307 | Standard Indoor with metal dome shade and clear heater case.. | 19.00 |
| Bovenkies | 5308 | Standard Indoor with metal dome shade and alabaster heater case | 19.00 |
| Bovenkorst | 5309 | Canopy Indoor with 7-inch sand blasted ball..... | 20.00 |
| Bovenkous | 5310 | Canopy Indoor with 6-inch clear ball..... | 20.00 |
| Bovenlaken | 5311 | Canopy Indoor with 7-inch alabaster ball..... | 20.00 |

Note - The above lamps are furnished in the oxidized copper finish.

For all other finishes an extra charge of 75 cents list per lamp will be made.

All balls and shades for above lamps are equipped with bands.

Three Glower Nernst Lamps, Outdoor Type, 220 Volts D. C., 1.2 Amperes



No. 5320

Length, 15 ins. Weight, 10 lbs.

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Bovenlast | 5312 | Outdoor with 7-inch sand blasted ball..... | \$19.00 |
| Bovenlip | 5313 | Outdoor with 6-inch clear ball..... | 19.00 |
| Bovenlucht | 5314 | Outdoor with 7-inch alabaster ball..... | 19.00 |
| Bovenmate | 5315 | Outdoor with metal dome shade and clear heater case..... | 20.00 |
| Bovenmatig | 5316 | Outdoor with metal dome shade and alabaster heater case..... | 20.00 |
| Bovenmouw | 5317 | Outdoor with metal cone shade and clear heater case..... | 20.00 |
| Bovenmuts | 5318 | Outdoor with metal cone shade and alabaster heater case..... | 20.00 |
| Bovenop | 5319 | Outdoor with metal cone shade and 6-inch clear ball..... | 20.50 |
| Bovenplaat | 5320 | Outdoor with metal cone shade and 7-inch alabaster ball..... | 20.50 |

The above lamps are furnished in the black Japan finish only.
All balls for above lamps are equipped with bands.
Metal dome shades for above lamps are equipped with bands.
Metal cone shades for above lamps are not equipped with bands.

Two Glower Nernst Lamps, Indoor Type, 220 Volts D. C., 0.8 Amperes



No. 5202

Length, 14 $\frac{1}{4}$ ins.

Weight, 1 $\frac{1}{4}$ lbs.

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|---|-------------------|
| Bouraque | 5200 | Standard Indoor with 7-inch sand blasted ball..... | \$12.00 |
| Bourasaha | 5201 | Standard Indoor with 6-inch clear ball' | 12.00 |
| Bourbier | 5202 | Standard Indoor with 7-inch alabaster ball..... | 12.00 |
| Bourbeuses | 5203 | Standard Indoor with opal bell shade and clear heater case.... | 12.00 |
| Bourbondir | 5204 | Standard Indoor with opal dome shade and clear heater case... | 12.00 |
| Bourbotte | 5205 | Standard Indoor with opal bell shade and alabaster heater case | 12.00 |
| Bourbouil | 5206 | Standard Indoor with opal dome shade and alabaster heater case | 12.00 |
| Bourcette | 5207 | Standard Indoor with metal dome shade and clear heater case.. | 13.00 |
| Bourdalou | 5208 | Standard Indoor with metal dome shade and alabaster heater case | 13.00 |
| Bourding | 5209 | Canopy Indoor with 7-inch sand blasted ball..... | 15.00 |
| Bourdonne | 5210 | Canopy Indoor with 6-inch clear ball | 15.00 |
| Boutelage | 5211 | Canopy Indoor with 7-inch alabaster ball..... | 15.00 |

Note—The above lamps are furnished in the oxidized copper finish.

For all other finishes an extra charge of 75 cents list per lamp will be made.
All balls and shades for above lamps are equipped with bands.

Two Glower Nernst Lamps, Outdoor Type, 220 Volts D. C., 0.8 Amperes



No. 5215

Length, 15 ins.

Weight, 9 $\frac{1}{4}$ lbs.

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Bourgade | 5212 | Outdoor with 7-inch sand blasted ball..... | \$13.00 |
| Bourgelas | 5213 | Outdoor with 6-inch clear ball..... | 13.00 |
| Bourgeois | 5214 | Outdoor with 7-inch alabaster ball..... | 13.00 |
| Bourgeonne | 5215 | Outdoor with metal dome shade and clear heater case..... | 14.00 |
| Bourgeron | 5216 | Outdoor with metal dome shade and alabaster heater case..... | 14.00 |
| Bourgrave | 5217 | Outdoor with metal cone shade and clear heater case..... | 14.00 |
| Bourguiere | 5218 | Outdoor with metal cone shade and alabaster heater case..... | 14.00 |
| Bourichon | 5219 | Outdoor with metal cone shade and 6-inch clear ball..... | 14.50 |
| Bourignian | 5220 | Outdoor with metal cone shade and 7-inch alabaster ball..... | 14.50 |

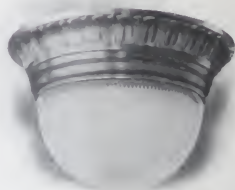
The above lamps are furnished in the black Japan finish only.

All balls for above lamps are equipped with bands.

Metal dome shades for above lamps are equipped with bands.

Metal cone shades for above lamps are not equipped with bands.

Three Glower Ceiling Bowl Lamps, 220 Volts, 1.2 Amperes



No. 5324

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Bovenraan | 5321 | Ceiling Bowl Lamp with sand blasted bowl..... | \$23.00 |
| Bovenrand | 5322 | Ceiling Bowl Lamp with white alabaster bowl..... | 23.00 |
| Bovenrok | 5323 | Ceiling Bowl Lamp with dense opal bowl..... | 23.00 |
| Bournous | 5324 | Ceiling Bowl Lamp with holophane bowl..... | 23.75 |
| Bourock | 5325 | Ceiling Bowl Lamp with roughed cut glass bowl..... | 24.50 |

Two Glower Ceiling Bowl Lamps, 220 Volts, 0.8 Amperes

For Direct Current Circuits Only.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Bournais | 5221 | Ceiling Bowl Lamp with sand blasted bowl..... | \$17.00 |
| Bournibile | 5222 | Ceiling Bowl Lamp with white alabaster bowl..... | 17.00 |
| Bournonite | 5223 | Ceiling Bowl Lamp with dense opal bowl..... | 17.00 |
| Bracalone | 5224 | Ceiling Bowl Lamp with holophane bowl..... | 17.75 |
| Bracalotes | 5225 | Ceiling Bowl Lamp with roughed cut glass bowl..... | 18.50 |

Note—The above lamps are furnished in the oxidized copper finish.

For all other finishes an extra charge of 75 cents list per lamp will be made.

Bowls for above lamps are not equipped with bands.

One Glower Nernst Lamps, Indoor and Outdoor Types, 220 Volts D.C., 0.4 Am.



No. 5100

Length, 9½ ins. Weight, 6 oz.



No. 5105

Length, 10 ins. Weight, 3¼ lbs.

For Direct Current Circuits Only.

WITH HORIZONTAL GLOWER.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Botstaart | 5100 | Indoor with 5 inch sand blasted ball..... | \$4.00 |
| Botstouw | 5101 | Indoor with 4-inch clear ball..... | 4.00 |
| Bottaccino | 5102 | Indoor with 5-inch alabaster ball..... | 4.00 |
| Bottarga | 5103 | Outdoor with 4-inch clear ball..... | 6.00 |
| Botteau | 5104 | Outdoor with 5-inch alabaster ball..... | 6.00 |
| Botteghe | 5105 | Outdoor with 4-inch clear ball and metal cone shade..... | 7.00 |

Note—The indoor lamps are furnished in the oxidized copper finish.

For all other finishes an extra charge of 50 cents list per lamp will be made.

The outdoor lamps are furnished in black Japan finish only.

Balls for above lamps are equipped with bands.

Glass shades for above indoor lamps are equipped with bands.

Metal shades for above outdoor lamps are not equipped with bands.

One Glower Nernst Lamps, Indoor Type, 220 Volts D. C., 0.5 Amperes



No. 5108

Length, 9½ ins.

Weight, 6 oz.

For Direct Current Circuits Only.

WITH HORIZONTAL GLOWER

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|---|-------------------|
| Botteghina | 5106 | Indoor with 5-inch sand blasted ball..... | \$6.00 |
| Bottegone | 5107 | Indoor with 4-inch clear ball..... | 6.00 |
| Botteguzza | 5108 | Indoor with 5-inch alabaster ball..... | 6.00 |

Note—The above lamps are furnished in the oxidized copper finish.

For all other finishes an extra charge of 50 cents list per lamp will be made.

Balls for above lamps are equipped with bands.

Glass shades for above lamps are equipped with bands.

Bodies for Direct Current Nernst Lamps

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Bravely | 5783 | Indoor 3-glower lamp body..... | \$14.40 |
| Bravlingly | 5793 | Outdoor 3-glower lamp body..... | 15.40 |
| Braveggia | 5782 | Indoor 2-glower lamp body..... | 8.65 |
| Bravucones | 5792 | Outdoor 2-glower lamp body..... | 9.65 |
| Braveaste | 5781 | Indoor 220-volt, 88-watt lamp body..... | 3.15 |
| Bravucon | 5791 | Outdoor 220-volt, 88-watt lamp body..... | 5.10 |
| Bravissimo | 5789 | Indoor 2-glower lamp body with canopy housing..... | 11.65 |
| Bravone | 5790 | Indoor 3-glower lamp body with canopy housing..... | 17.40 |
| Bravingly | 5787 | Indoor, 220-volt, 110-watt lamp body..... | 3.15 |

HOLDERS



Renewable—Complete with Glowers.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|-------------------------------------|--------------------|---|-------------------|
| Brassons | 5707 | For 1-glower 0.5 amp. 220-volt lamp, without prongs..... | \$2.60 |
| Brassement | 5701 | For 1-glower 220-volt lamp, without prongs..... | 2.60 |
| Brassérons | 5702 | For 2-glower lamp..... | 2.95 |
| Brassiage | 5703 | For 3-glower lamp..... | 3.30 |
| Renewable—Complete without Glowers. | | | |
| Braungeier | 5727 | For 1-glower, 0.5 amp. 220-volt lamp, without prongs..... | 2.25 |
| Brauherr | 5721 | For 1-glower, 220-volt lamp, without prongs..... | 2.25 |
| Braukessel | 5722 | For 2-glower lamp..... | 2.25 |
| Braule | 5723 | For 3-glower lamp..... | 2.25 |

Glowers, Etc.

Glowers

For Lamps or Holders of the "Renewable" Type. For Direct Current Circuits only.

In ordering glowers, always give actual voltage of circuit and catalog number or code word.

For example:

If glowers are wanted for a three-glower lamp, to be operated on a 216-volt circuit, order as follows:

Express (or mail) 100 glowers, catalog No. 5743, for 216-volt circuit.

Glowers for circuits of any even voltage from 200 to 240 may be ordered.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Amps.</i> | <i>Description</i> | <i>List Price Each</i> |
|------------------|--------------------|--------------|----------------------------------|------------------------|
| Brautliebe | 5747 | .5 | For 110-watt, 220-volt lamp..... | \$0.35 |
| Brauthuhn | 5743 | .4 | For 3-glower lamp..... | .35 |
| Brauthemd | 5742 | .4 | For 2-glower lamp..... | .35 |
| Brauthaus | 5741 | .4 | For 88-watt, 220-volt lamp..... | .35 |

D. C. Heater Tubes

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price Each</i> |
|------------------|--------------------|--|------------------------|
| Vaderle | 320 | For all lamps whose voltage is from 200 to 210 volts..... | \$0.75 |
| Vadergek | 322 | For all lamps whose voltage is from 210 to 246 volts..... | .75 |
| Bejadende | 323 | For all lamps whose voltage is from 246 to 260 volts..... | .75 |
| Vadergek | 332 | For all 0.5 ampere lamps whose voltage is from 210 to 246 volts..... | .75 |

D. C. Ballasts

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price Each</i> |
|------------------|--------------------|----------------------------------|------------------------|
| Vaderlief | 313 | For 88-watt, 220-volt lamps..... | \$0.50 |
| Vaders | 315 | For 2 and 3-glower lamps..... | .50 |

Note—The ballast used in the ceiling bowl and 0.5 amp. lamps are fitted with bayonet catches instead of aluminum plug as on the old style catalog No. 315.

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price Each</i> |
|------------------|--------------------|--|------------------------|
| Brautnacht | 5749 | For 2 and 3-glower ceiling bowl lamps..... | \$0.50 |
| Brautmesse | 5748 | For 110-watt, 0.5 ampere, 220-volt lamp..... | .50 |

Heater Porcelains for D. C. Holders

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>Price List Each</i> |
|------------------|--------------------|---|------------------------|
| Brassavole | 5700 | For 3-glower and 2 glower 220-volt lamps..... | \$0.25 |
| Benaccia | 715 | One-piece holder porcelain for 1-glower lamp, without prongs... | .25 |

Holder Base Porcelain for D. C. Holders

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price Each</i> |
|------------------|--------------------|----------------------------------|------------------------|
| Braugette | 5720 | For 2-glower, 220-volt lamp..... | \$0.25 |
| Braunholz | 5730 | For 3-glower, 220-volt lamp..... | .25 |

Note—Attention is called to the importance of saving all scrap glowers, heater tubes and ballasts, for the return of which a liberal allowance is made. The amount of rebate allowed will be furnished upon request.

Glowers, Heater Tubes and Ballasts are all put up in standard packages of 10 each.

Glassware

With Bands

Clear Ball

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|-------------------------------------|-------------------|
| Blondjes | 3680 | 6-inch ball for 2 and 3-glowee lamp | \$0.70 |
| Vuarship | 4598 | 4-inch ball for 1-glowee lamp | .45 |

Sand Blasted Ball

| | | | |
|------------|------|-------------------------------------|-----|
| Blitzjunge | 3630 | 7-inch ball for 2 and 3-glowee lamp | .75 |
| Blitzkopf | 3631 | 6-inch ball for 2 and 3-glowee lamp | .70 |
| Blitzkraft | 3632 | 5-inch ball for 1-glowee lamp | .50 |
| Visenary | 4634 | 4-inch ball for 1-glowee lamp | .45 |

Light Alabaater Ball (White)

| | | | |
|-----------|------|-------------------------------------|-----|
| Blitztoll | 3635 | 7-inch ball for 2 and 3-glowee lamp | .75 |
| Blitzweib | 3636 | 6-inch ball for 2 and 3-glowee lamp | .70 |
| Vuugna | 4632 | 5-inch ball for 1-glowee lamp | .50 |
| Vienunt | 4636 | 4-inch ball for 1-glowee lamp | .45 |

Light Alabaater Ball (Blush)

| | | | |
|-----------|------|-------------------------------------|-----|
| Bloeammo | 3639 | 7-inch ball for 2 and 3-glowee lamp | .75 |
| Bloekopf | 3681 | 6-inch ball for 2 and 3-glowee lamp | .70 |
| Viddeet | 4633 | 5-inch ball for 1-glowee lamp | .50 |
| Victorian | 4637 | 4-inch ball for 1-glowee lamp | .45 |

Dense Opal Ball

| | | | |
|----------|------|-------------------------------------|-----|
| Bloeammo | 3641 | 6-inch ball for 2 and 3-glowee lamp | .70 |
| Bloeamo | 3642 | 4-inch ball for 1-glowee lamp | .45 |

Heater Cases (no bands used)

| | | | |
|-----------|------|--------------------------------------|--------|
| Bleebplan | 3493 | 5-inch clear heater case | \$0.40 |
| Bleudach | 3494 | 4-inch clear heater case | .50 |
| Bleudraht | 3495 | 5-inch alabaater heater case (white) | .40 |
| Bleulnge | 3496 | 4-inch alabaater heater case (white) | .30 |
| Bleiform | 3497 | 5-inch alabaater heater case (blush) | .40 |
| Bleugang | 3498 | 4-inch alabaater heater case (blush) | .30 |
| Bleugling | 3499 | 4-inch dense opal heater case | .50 |

Without Bands

| | | | |
|------------|------|--|--------|
| Bratung | 5761 | White alabaater bowl for 2 and 3-glowee ceiling bowl lamps | \$1.00 |
| Bravaccio | 5762 | Dense opal bowl for 2 and 3-glowee ceiling bowl lamps | 1.00 |
| Bravador | 5763 | Sand blasted bowl for 2 and 3-glowee ceiling bowl lamps | 1.00 |
| Bravadoing | 5764 | White alabaater bowl for 4 and 6-glowee ceiling bowl lamps | 2.00 |
| Bravamente | 5765 | Dense opal bowl for 4 and 6-glowee ceiling bowl lamps | 2.00 |
| Bravammo | 5766 | Sand blasted bowl for 4 and 6-glowee ceiling bowl lamps | 2.00 |
| Bravando | 5767 | Hyalophane bowl for 2 and 3-glowee ceiling bowl lamps | 1.75 |
| Bravant | 5768 | Hyalophane bowl for 4 and 6-glowee ceiling bowl lamps | 4.00 |
| Bravaron | 5769 | Roughed cut glass bowl for 2 and 3-glowee ceiling bowl lamps | 2.50 |
| Bravases | 5770 | Roughed cut glass bowl for 4 and 6-glowee ceiling bowl lamps | 4.00 |

Note—Illustrations with prices of special art colored bowls upon application.

Glassware

Shades With Bands for Use in Combination with Heater Case

| <i>Code Word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|-------------------------------|-------------------|
| Blitanthe | 3618 | 12-inch opal bell shade..... | .50 |
| Blithely | 3620 | 12-inch opal dome shade..... | .40 |
| Blithesome | 3622 | 14-inch metal cone shade..... | 1.25 |
| Blitzange | 3624 | 12-inch metal dome shade..... | 1.25 |

Shades Without Bands for Use in Combination with Balls for Outdoor Lamps only

| | | | |
|-----------|------|--|------|
| Blitzbube | 3626 | 14 inch metal cone shade for 2 and 3-glower lamp..... | 1.25 |
| Blinddar | 3597 | 12-inch flat metal shade for multiple 1-glower lamp..... | 1.00 |

Special Shades With Bands

| | | | |
|-----------|------|--|------|
| Blinkard | 3607 | 12-inch opal cone shade (green outside) for 1-glower lamp..... | 1.10 |
| Blinked | 3608 | 12-inch flat opal shade for 1-glower lamp..... | .60 |
| Blinzhaut | 3611 | Show window reflector for 1-glower lamp, without band..... | 1.50 |
| Blinzler | 3612 | Show window reflector for 2 and 3-glower lamp, without band.. | 2.00 |
| Blinzlich | 3613 | Art gallery reflector for 2 and 3-glower lamp, without band | 2.75 |

Holophane Glassware

With Bands



3661



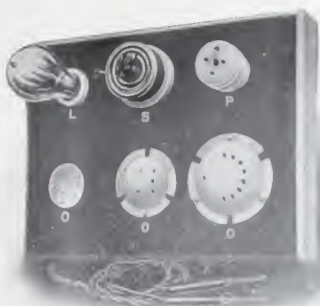
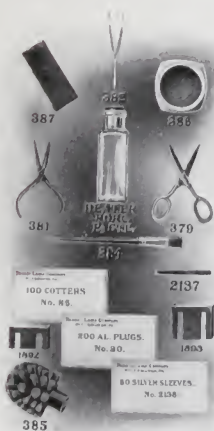
3662



3663

| <i>Code word</i> | <i>Catalog No.</i> | <i>Description</i> | <i>List Price</i> |
|------------------|--------------------|--|-------------------|
| Blinkworn | 3609 | 11-inch concentrating holophane reflector with band for single-glower vertical lamp..... | \$1.60 |
| Blinky | 3610 | 12-inch distributing holophane reflector with band for single-glower vertical lamp..... | 1.60 |
| Blocksberg | 3661 | Holophane reflector for 2 and 3-glower lamps..... | 1.60 |
| Blockschuh | 3662 | Holophane reflector for 2 and 3-glower lamps..... | 1.60 |
| Blockstein | 3663 | Holophane reflector for 2 and 3-glower lamps..... | 1.60 |
| Blockthor | 3664 | Holophane reflector for 4 and 6-glower lamps..... | 2.10 |
| Blockwagen | 3665 | Holophane reflector for 4 and 6-glower lamps..... | 2.10 |
| Blockwall | 3666 | Holophane reflector for 4 and 6-glower lamps..... | 2.10 |
| Blokkatrol | 3667 | 8-inch holophane globe for 4 and 6-glower lamps..... | 2.60 |
| Blokkenet | 3668 | 6-inch holophane globe for 2 and 3-glower lamps..... | 1.35 |
| Blokland | 3669 | 4-inch holophane globe for 1-glower lamp..... | .60 |

Attendant's Kit and Testing Board



| Code Word | Catalog No. | Description | List Price |
|------------|-------------|--|------------|
| Verglauwen | 710 | Testing Board and Attendant's Kit..... | \$13.80 |
| Verfluss | 709 | Testing Board..... | 8.30 |
| Verfliegen | 724 | Attendant's Kit..... | 5.50 |

The Attendant's Kit Comprises the following articles:

| Code Word | Cat. No. | No. in Kit | Description | List Price |
|------------|----------|------------|---|------------|
| Vaginaiur | 379 | 1 | Scissors | \$0.35 |
| Vaginelle | 381 | 1 | Long-nosed Pliers..... | .50 |
| Vaginicol | 382 | 1 | Tweezers | .35 |
| Bewrayeth | 383 | 1 | Screw Driver | .35 |
| Vaginopor | 384 | 1 | ½-inch Paste Brush | .15 |
| Vagipedes | 385 | 1 | Cleaning Brush | 1.00 |
| Vagipenne | 386 | 1 | Mixing Dish | .35 |
| Vagissant | 387 | 1 | Dark Glass Screen | .10 |
| Vagonetax | 85 | 100 | Cotter Pins..... | .20 |
| Vagous | 30 | 200 | Aluminum Plugs | .50 |
| Verflossen | 667 | 1 | Package of Heater Porcelain Paste | .35 |
| Bewrays | 1891 | 50 | Small Fusible Heater Plugs for Negative Terminal... | .50 |
| Bewrought | 1895 | 50 | Large Fusible Heater Plugs for Positive Terminal... | .50 |
| Bewreck | 1892 | 1 | Glowler Mounting Gauge (1, 2 and 3-glowler lamps) | .15 |
| Bewrecked | 1893 | 1 | Glowler Mounting Gauge (4 and 6-glowler lamps) ... | .15 |
| Bewrecking | 1894 | 50 | Silver Sleeves..... | .50 |

Telegraph Code

| | |
|------------|--|
| CABOOLEAT | —Please change order to read |
| CABOOSE | —Too late to make alteration now |
| CABORGUE | —Cancel order unless shipped by |
| CABOSSER | —Cannot cancel; sorry; too late |
| CABOZ | —Will confirm order by mail |
| CABRAIT | —Can probably deliver by |
| CABREADAS | —When will you deliver |
| CABREADO | —Will make delivery by |
| CABREMOS | —What is your best delivery of |
| CABREROUT | —Express at once |
| CACAPAR | —Will express at once |
| CACAPIN | —Express to-day sure |
| CACARANADO | —Forward sure by this night's mail |
| CACAREABA | —Your letter arrived too late |
| CACAREADOR | —By registered mail |
| CADAVÉRIN | —Expect to mail you |
| CADAVÉROUS | —Reply immediately by telegraph |
| CADAVÉRUM | —Can you ship immediately |
| CADDERO | —Cannot ship before next |
| CADDICE | —Enter order for if you can ship not later than |
| CADDOR | —Ship by freight |
| CADDY | —Shipped by express on |
| CADEBÁTIS | —Shipped by freight on |
| CADELEURE | —Adams Express Company |
| CADELLA | —American Express Company |
| CADMIA | —National Express Company |
| CADMILUS | —United States Express Company |
| CADMIONE | —Wells Fargo Express Company |
| CADMIQUE | —Will write fully regarding this matter |



